	Application No.	Applicant(s)
•		
Notice of Allowability	09/903,189 Examiner	NIU ET AL. Art Unit
	Mark Kopec	1751
The MAILING DATE of this communication appeals claims being allowable, PROSECUTION ON THE MERITS IS erewith (or previously mailed), a Notice of Allowance (PTOL-85) OTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R f the Office or upon petition by the applicant. See 37 CFR 1.313	i (OR REMAINS) CLOSED i) or other appropriate comm RIGHTS. This application is	n this application. If not included unication will be mailed in due course. THIS
☐ This communication is responsive to amend filed 12/8/03	and Int. Summ. of 3/3/04.	
. ☑ The allowed claim(s) is/are <u>29-44</u> .		
☐ The drawings filed on 24 January 2002 are accepted by the	ne Examiner.	
Acknowledgment is made of a claim for foreign priority u a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have		or (f).
Certified copies of the priority documents have		on No
3. Copies of the certified copies of the priority do		
International Bureau (PCT Rule 17.2(a)).		•
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONI THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	' of this communication to fil MENT of this application.	e a reply complying with the requirements
. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	nitted. Note the attached Ex ves reason(s) why the oath	(AMINER'S AMENDMENT or NOTICE OF or declaration is deficient.
. CORRECTED DRAWINGS (as "replacement sheets") mu	ıst be submitted.	
(a) including changes required by the Notice of Draftsper	rson's Patent Drawing Revie	ew (PTO-948) attached
1) 🗌 hereto or 2) 📗 to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner Paper No./Mail Date	r's Amendment / Comment o	or in the Office action of
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in	1.84(c)) should be written on the header according to 37 (the drawings in the front (not the back) of FR 1.121(d).
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT	osit of BIOLOGICAL MATERIAL FOR THE DEPOSIT OF B	TERIAL must be submitted. Note the IOLOGICAL MATERIAL.
Attachment(s)	5 □ Natice of	Informal Patent Application (PTO-152)
 . ☑ Notice of References Cited (PTO-892) . ☑ Notice of Draftperson's Patent Drawing Review (PTO-948) 		Summary (PTO-413),
. Information Disclosure Statements (PTO-1449 or PTO/SB.	Paper No	o./Mail Date 's Amendment/Comment
Paper No./Mail Date Examiner's Comment Regarding Requirement for Deposit		's Statement of Reasons for Allowance
of Biological Material	9.	
		Mark Kopec
		Primary Examiner Art Unit: 1751

Application/Control Number: 09/903,189

Art Unit: 1751

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Cancel claims 1-28 and 45-55.

In claim 29, lines 6-7, delete "and wherein said composite has a bulk resistivity of less than about 10 ohm-cm".

Authorization for this examiner's amendment was given in a telephone interview with Mr. Albert Chen on 3/3/04.

The following is an examiner's statement of reasons for allowance:

Jadamus discloses multilayer plastic compositions having electrically conductive inner layer. The inner layer comprises thermoplastic molding composition containing graphite fibrils (Abstract). The reference specifically describes PVDF polymers/copolymers and the instantly claimed carbon nanotubes (Col 4, lines 43-64; Col 6, lines 25-31). The graphite fibrils are present from 1 to 30 wt% (Col 4, lines 65-68; examples).

Application/Control Number: 09/903,189

Art Unit: 1751

Nahass discloses high strength conductive polymers. The polymer compositions comprise the instantly claimed conductive carbon nanotubes (1-60 wt%) dispersed in a polymeric matrix material (Abstract; Col 3, lines 24-31; Col 7, lines 25-35). The reference specifically teaches PVDF polymers/copolymers as suitable matrix materials (Col 6, lines 5-10).

The prior art, however, does not disclose or fairly suggest the instantly claimed composition(s) requiring a mixture of at least two substances selected from the group consisting of polyvinylidene fluoride, copolymer of polyvinylidene fluoride and another monomer, and another polymer in combination with the claimed carbon nanotubes.

Newly cited US2002/0161101A1 discloses halogen containing polymer nanocomposite compositions. The reference does not disclose or suggest the polymer mixture as claimed.

JP 14-070938 discloses piezoelectric damping material(s). PVDF mixtures may be utilized as matrix materials (page 7). The reference is not available as prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Page 4

Application/Control Number: 09/903,189

Art Unit: 1751

()

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark Kopec whose telephone number is (571) 272-1319. The examiner can normally be reached on Monday - Friday from 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dr. Yogendra Gupta can be reached on (571) 272-1316. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mark Kopec
Primary Examiner
Art Unit 1751

MK March 4, 2004 Application/Control Number: 09/903,189 Page 5

Art Unit: 1751